

**WATER QUALITY REPORT
CASTLE REACH, WINDHAM, NH
EPA # 2542140**

INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	8/25/09
Arsenic (µg/L)	<2	10	8/25/09
Barium (mg/L)	< 0.01	2	8/25/09
Beryllium (µg/L)	< 2	4	8/25/09
Cadmium (µg/L)	< 2	5	8/25/09
Chromium (µg/L)	< 10	100	8/25/09
Cyanide (µg/L)	< 20	200	8/25/09
Fluoride (mg/L)	0.34	4	8/25/09
Mercury (µg/L)	< 0.2	2	8/25/09
Nickel (µg/L)	< 10	100	8/25/09
Nitrate-N (mg/L)	< 0.2	10	7/7/10
Nitrite-N (mg/L)	< 0.05	1	8/25/09
Selenium (µg/L)	< 5	50	8/25/09
Thallium (µg/L)	< 1	2	8/25/09

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	<5	15	2010
Copper (mg/L) 90th percentile sample	0.658	1.3	2010

Microbiological Contaminants (a)

Results	MCL
Total Coliform	≤1/month
E. coli	Absent
Average Chlorine Residual (mg/L)	0.38 < 4

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	21	250	8/25/09
Fluoride (mg/L)	0.34	2	8/25/09
Iron (mg/L)	0.021	0.3	8/25/09
Manganese (mg/L)	0.046	0.05	8/25/09
pH (Standard Units)	7.29	6.5 – 8.5	8/25/09
Silver (µg/L)	< 4	100	8/25/09
Sodium (mg/L)	18.7	100-250	8/25/09
Sulfate (mg/L)	25.6	250	8/25/09
Zinc (mg/L)	0.1	5	8/25/09

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	< 2.9	15	2/20/07
Radon Gas (pCi/L)	448	None	4/11/07
Radium-226 (pCi/L)	0.5	5	2/20/07
Radium-228 (pCi/L)	< 0.6	5	2/20/07
Uranium (µg/L)	2.8	30	2/20/07

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	154	8/3/10
Calcium (mg/L)	55.5	8/25/09
Copper (mg/L)	< 0.01	8/25/09
Hardness, Total as CaCO ₃ (mg/L)	148	8/31/10
Hydrogen Sulfide (mg/L)	<0.02	8/25/09
Lead (µg/L)	< 5	8/25/09
Magnesium (mg/L)	3.8	8/25/09
Specific Conductance (umhos/cm ²)	414	8/25/09
Sulfide (mg/L)	<0.2	8/25/09

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Three bedrock wells.

Treatment: Chlorination for disinfection; Calcite filtration to increase the pH and reduce corrosion; polyphosphate to sequester iron and manganese and reduce corrosion.

KEY TO ABBREVIATIONS

AL Action Level - The concentration of a contaminant which, if exceeded triggers treatment of or other requirements which a water system must follow.

MCL Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water.

SMCL Secondary Maximum Contaminant Level - The highest level of a contaminant that affects the aesthetic characteristics (taste, odor, or color) of drinking water.

NR Not Regulated - Contaminants test for but not regulated by the State or EPA.

(a) samples taken from the distribution system.

(b) samples taken from the distribution entry point.

mg/L milligrams per Liter or parts per million.

µg/L micrograms per Liter or parts per billion.

pCi/L picocuries per Liter (measure of radioactivity)

N/A Not Applicable **nd** not detected **BDL** Below Detection Level **<** Less Than **≤** Less Than or Equal To.

CONTACT INFORMATION

If you have any questions about this report, or about your water quality, please call Gary Tetley, Water Quality Manager, at 1-603-913-2378 or 1-800-553-5191.

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline 1-800-426-4791.